

Exhibit B

Contents of file ex6.html:

```
<html>
<head>
<title>Loading New Search Engine</title>

<script language="JavaScript">
//Globals
var links = new Array(); //storage for web addresses
var linkcount = 0;    //running link count
var maxlinkcnt = 0;    //max links found on subject returned by getgoogle.class
var eIDArray = new Array("gz","g1","g2","g3","g4","g5","g6","g7","g8","g9","g10"); //iFrame IDs
var try2loadlink = new Array();

//*****End Globals*****

function setlinkcount(maxlinkcount) { //called from getgoogle to set number of links to be returned
    maxlinkcnt=maxlinkcount;
    initializeiframes(); //need maxlinkcnt to initialize iFrames
}

function linker(fsrc) {
    if(isubject.value != ""){return true;}
    linkcount++;
    links[linkcount] = fsrc; //index starts at 1; Load all links references returned from getgoogle
    try2loadlink[linkcount] = false; //links are not actually loaded into iFrames yet
    if(linkcount>=maxlinkcnt){ //all links references loaded
        linkcount=1;    //reset running link counter
        loadcurrent();    //load first link into hidden frame
        loadnext();    //load following link
```

```

        displaycurrent(); //display first link
    }
}

function hidecurrent() {
    document.getElementById(eIDArray[linkcount]).style.background="white";
    document.getElementById(eIDArray[linkcount]).style.visibility="hidden"; //make next iFrame visible
}

function displaycurrent() {
    if(linkcount<=maxlinkcnt){
        if(readystate()){ //make next iFrame visible if already loaded
            //alert("ready");
            setzindex();
            document.getElementById(eIDArray[linkcount]).style.zIndex=12;
            document.getElementById(eIDArray[linkcount]).style.visibility="visible";
            iurl.value=links[linkcount]; //Set URL in GUI
        }
        else{
            //alert("not ready");
            setzindex();
            document.getElementById(eIDArray[linkcount]).style.zIndex=12;
            loadcurrent(); //reload current frame
            //set visible without calling displaycurrent() which would cause a recursive load loop
            document.getElementById(eIDArray[linkcount]).style.visibility="visible";
            iurl.value=links[linkcount]; //Set URL in GUI
        }
    }
} //end display current

function loadcurrent(){
    document.getElementById(eIDArray[linkcount]).src = links[linkcount]; //load next link into frame

```

```

        try2loadlink[linkcount] = true;
    }

function displaynext() {
    if(linkcount>1){document.getElementById(eIDArray[linkcount-1]).style.visibility="hidden";} //make previous iFrame hidden
    displaycurrent();
}

function loadnext(){
    if(linkcount < maxlinkcnt){ //array guard
        document.getElementById(eIDArray[linkcount+1]).src = links[linkcount+1]; //load link into hidden frame
        try2loadlink[linkcount+1] = true;
    }
}

function next(){
    linkcount++; //new display position

    if(linkcount<=maxlinkcnt){
        displaynext();
        if(linkcount<maxlinkcnt){loadnext();}
    }
    else{
        linkcount=maxlinkcnt; //set to last valid link
        hidecurrent(); //hide current link
        linkcount=1; //reset running link counter to beginning
        displaycurrent(); //display first link
    }
} //end next

function back(){

```

```
hidecurrent();  
linkcount--; //new display position  
  
if(linkcount>=1){  
    displaycurrent();  
}  
else{  
    linkcount=maxlinkcnt; //set to last valid link  
    displaycurrent(); //display first link  
}  
} //end back
```

```
function first(){  
    hidecurrent(); //hide current link  
    linkcount=1; //reset running link counter  
    displaycurrent(); //display first link  
} //end first
```

```
function last(){  
    hidecurrent(); //hide current link  
    linkcount=maxlinkcnt; //reset running link counter to maximum  
    displaycurrent(); //display last link  
} //end first
```

```
function initializeiframes() { //initialize and hide all iFrames  
    var i;  
    window.status="New Ideas on Searching the Internet";  
    window.document.title="Website Based Search Engine version 2.0 by Alan Swahn";
```

```

alert(maxlinkcnt);
for(i=1; i<=maxlinkcnt; i++){
    document.getElementById(eIDArray[i]).scrolling = 'yes';
    document.getElementById(eIDArray[i]).width = '100%';
    document.getElementById(eIDArray[i]).height = '95%';
    document.getElementById(eIDArray[i]).frameborder = '0';
    document.getElementById(eIDArray[i]).hspace = '0';
    document.getElementById(eIDArray[i]).vspace = '0';
    document.getElementById(eIDArray[i]).align = 'top';
    document.getElementById(eIDArray[i]).scrolling = 'auto';
    document.getElementById(eIDArray[i]).allowtransparency = 'true';
    document.getElementById(eIDArray[i]).style.visibility='hidden';
    document.getElementById(eIDArray[i]).style.zIndex=i;
}
}

```

```

function setzindex(){
    var i;
    window.status="New Ideas on Searching the Internet";
    window.document.title="Website Based Search Engine version 2.0 by Alan Swahn";
    for(i=1; i<=maxlinkcnt; i++){
        document.getElementById(eIDArray[i]).style.zIndex=i;
    }
}

```

```

function readystate(){
    //alert("readystate: " + document.getElementById(eIDArray[linkcount]).readyState);
    //alert("try2load: " + try2loadlink[linkcount]);
    if(document.getElementById(eIDArray[linkcount]).readyState == "complete" && try2loadlink[linkcount]){
        bnext.style.background="#00ff00";
        bback.style.background="#00ff00";
        return true;}
}

```

```
    else{  
        bnext.style.background="orange";  
        bback.style.background="orange";  
        return false;}  
}
```

```
function getnewlinks(newsubject){  
    linkcount=0; //initialize link counter  
    maxlinkcnt = 0; //initialize maxlink counter  
    document.getgog.setsubject(newsubject);  
    document.getgog.start();  
}
```

```
function jumpurl(url){  
    if(url==""){return;}  
  
    if(url.indexOf("http://") > -1){  
        window.location=url;  
    }  
    else{  
        window.location="http://" + url;  
    }  
}
```

```
function onerrorpage(){  
    window.onerror=null;  
    alert("Error on Page");  
}
```

```
function onunloadpage(){  
    document.getgog.stop();  
    document.getgog.destroy();  
}
```

}

</script>

</head>

<body onError='onerrorpage()' onUnload='onunloadpage()'

<IFRAME id='g1' name='g1' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:1;'></IFRAME>
<IFRAME id='g2' name='g2' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:2;'></IFRAME>
<IFRAME id='g3' name='g3' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:3;'></IFRAME>
<IFRAME id='g4' name='g4' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:4;'></IFRAME>
<IFRAME id='g5' name='g5' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:5;'></IFRAME>
<IFRAME id='g6' name='g6' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:6;'></IFRAME>
<IFRAME id='g7' name='g7' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:7;'></IFRAME>
<IFRAME id='g8' name='g8' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:8;'></IFRAME>
<IFRAME id='g9' name='g9' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:9;'></IFRAME>
<IFRAME id='g10' name='g10' SECURITY='unrestricted' HSPACE='0' VSPACE='0' ALIGN='top' SCROLLING='auto' FRAMEBORDER='0' ALLOWTRANSPARENCY='false' STYLE='position:absolute; left:0; top:5%; width:100%; height:95%; z-index:10;'></IFRAME>

<div id='control' name='control' HSPACE='0' VSPACE='0' ALIGN='left' STYLE='background:navy; position:absolute; left:0; top:0; width:100%; height:5%; z-index:9;'>

```
<INPUT id='iurl' type="text" STYLE="background:#DDDDDD; width:25%;' value="" size="">
<button id='iclearurl'STYLE="background:#00FF00; width:3%;' onclick="iurl.value="">C</button>
<button id='ijumpurl'STYLE="background:#00FF00; width:3%;' onclick="jumpurl(iurl.value)">J</button>
<INPUT id='isubject'type="text" STYLE="background:#FFFFFF; width:25%;' name="subject" value="" size="">
<button id='isearch' STYLE="background:#00FF00; width:7%;' onclick="getnewlinks(isubject.value)">Search</button>
<button id='bplugin' STYLE="background:#00FF00; width:7%; '
onclick="window.location='http://java.sun.com/j2se/1.4/download.html'">Plugin</button>
<button id='bfirst' STYLE="background:#00FF00; width:7%; ' onclick="first()">First</button>
<button id='blast' STYLE="background:#00FF00; width:7%; ' onclick="last()">Last </button>
<button id='back' STYLE="background:#00FF00; width:7%; ' onclick="back()">Back </button>
<button id='bnext' STYLE="background:#00FF00; width:7%; ' onclick="next()">Next </button>
<br>
</div>
```

```
<APPLET ID='getgog' ALIGN='right' CODE='getgoogle.class' VSPACE='0' HSPACE='0' WIDTH='0' HEIGHT='0' STYLE='position:relative;z-
index:0;' MAYSCRIPT>
<PARAM ID='subject' NAME='subject' VALUE='models'>
</APPLET>
```

```
</body>
</html>
```

Contents of file getgoogle.java:

```
import java.io.*;
import java.net.*;
import java.awt.*;
import java.applet.*;
import netscape.javascript.JSObject;
import netscape.javascript.JSException;

public class getgoogle extends Applet{
String usersubject="none";

public void init() {
    System.out.println("initializing...");
    setBackground(Color.cyan);
}

public void stop() {
    System.out.println("stopping...");
}

public void destroy() {
    System.out.println("unloading...");
}

public void setsubject(String newsubject) {
    usersubject = newsubject;
    System.out.println("Setting subject: " + usersubject);
}

public void start() {
String resource, host, file, line, which10="0", subject="fractals", tempstr;
String response[] = new String[100];
int slashPos=0, blankPos=0, gtPos=0, responseCount=0;
```

```
boolean debug = true;
JSONObject win = JSONObject.getWindow(this);
JSONObject doc = (JSONObject) win.getMember("document");
JSONObject loc = (JSONObject) doc.getMember("location");
String localhref = (String) loc.getMember("href"); // document.location.href
//JSONObject.getWindow (this).eval ("javascript:alert('This is a test of the National Broadcast System!')");
//Object test[] = new Object[20];
String fsrc[] = new String[20];
String maxlinkcount[] = new String[10];
```

```
try{
```

```
if(usersubject.equals("none"))
    subject = getParameter("subject");
else
    subject=usersubject;
```

```
for (int j=0; j<=subject.length()-1; j++){
    if (subject.substring(j,j+1).equals(" ")){
        System.out.println(subject.substring(0,j));
        System.out.println(subject.substring(j,j+1));
        System.out.println(subject.substring(j+1,subject.length()));
        subject = subject.substring(0,j) + "%20" + subject.substring(j+1,subject.length());
        System.out.println(subject);
    }
}
```

```
resource="http://www.google.com/search?q=" + subject + "&hl=en&lr=&start=" + which10 + "&sa=N";
if(debug){System.out.println(resource);}
if(debug){System.out.println(localhref);}
```

```
resource = resource.substring(7);// skip HTTP://
```

```
slashPos = resource.indexOf('/'); // find host/file separator  
file = resource.substring(slashPos);// isolate host and file parts  
host = resource.substring(0,slashPos);
```

```
if(debug){System.out.println("Host to contact: " + host + "");}  
if(debug){System.out.println("File to fetch : " + file + "");} 
```

```
HTTP webConnection = new HTTP(host,debug);  
if (webConnection != null) {  
InputStream page = webConnection.get(file,debug);  
DataInputStream in = new DataInputStream(page);
```

```
    while( (line = in.readLine()) != null) { // read until end of stream  
        if(line.length() >= 18 && line.substring(0,18).equals("<p><a href=http://")){  
            gtPos = line.substring(11).indexOf(">");  
  
            response[responseCount]=line.substring(11,gtPos+11);  
            responseCount++;  
        } //end if  
    } //end while  
} //end webconnection  
//convert int to string  
tempstr="alan" + (responseCount);  
tempstr=tempstr.substring(4);  
if(debug){System.out.println("response count= " + tempstr);}  
maxlinkcount[0]=tempstr;  
win.call("setlinkcount", maxlinkcount);  
  
for (int j=0; j<=responseCount-1; j++){  
    if(debug){System.out.println(response[j]);}
```

```

        fsrc[0] = response[j];
        win.call("linker", fsrc);
    }

    if(debug){System.out.println("\nDone.");}

    }//end try
    catch (Exception e) {
        System.runFinalization(); //deallocated resources
        System.gc(); //garbage collection
    } //end catch

    }//End Start

```

```

} //End Applet

```

```

//-----

```

```

//-----

```

```

class HTTP {

```

```

    public final static int HTTP_PORT = 80;

```

```

    InetAddress WWWhost;

```

```

    DataInputStream in;

```

```

    PrintStream out;

```

```

    public HTTP (String host, boolean debug) throws UnknownHostException {

```

```

        WWWhost = InetAddress.getByName(host);

```

```

        if(debug){System.out.println("WWW host = " + WWWhost);}

```

```

    }

```

```
public InputStream get (String file,boolean debug) throws IOException {  
    Socket httpPipe;  
    InputStream inn;  
    OutputStream outt;
```

```
  
    httpPipe = new Socket(WWWhost, HTTP_PORT);  
    if (httpPipe == null) {  
        return null;  
    }
```

```
  
    inn = httpPipe.getInputStream();// get raw streams  
    outt = httpPipe.getOutputStream();
```

```
  
    in = new DataInputStream(inn); // turn into usable ones  
    out = new PrintStream(outt);
```

```
  
    if (inn==null || outt==null) {  
        System.out.println("Failed to open streams to socket.");  
        return null;  
    }
```

```
  
    // send GET request  
    out.println("GET " + file + " HTTP/1.0\n");  
    //if(debug){System.out.println("GET " + file + " HTTP/1.0\n");}
```

```
  
    // read response until blank separator line  
    String response;  
    while ( (response = in.readLine()).length() > 0 ) {  
        //if(debug){System.out.println(response);}  
    }
```

```
return in; // return InputStream to allow client to read resource
}}
```